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| FORM PTO-1449<br>(MODIFIED)   | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO.<br>K-C 13685.2         | SERIAL NO. |
| LIST OF PRIOR ART CITED BY APPLICANT<br>(Use several sheets if necessary) |  | APPLICANT(S)<br>Kent A. FRANKLIN et al. |            |
|   |  | FILING DATE                             | GROUP      |

| U.S. PATENT DOCUMENTS |    |                 |         |                  |       |          |                            |
|-----------------------|----|-----------------|---------|------------------|-------|----------|----------------------------|
| *EXAMINER INITIAL     |    | DOCUMENT NUMBER | DATE    | NAME             | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| KS                    | AA | 3,918,816       | 11/1975 | Foster et al.    | —     | —        |                            |
|                       | AB | 4,046,477       | 09/1977 | Kaule            |       |          |                            |
|                       | AC | 4,086,808       | 05/1978 | Camac et al.     |       |          |                            |
|                       | AD | 4,619,529       | 10/1986 | Iuchi et al.     |       |          |                            |
|                       | AE | 4,659,224       | 04/1987 | Monchalin        |       |          |                            |
|                       | AF | 4,713,132       | 12/1987 | Abel et al.      |       |          |                            |
|                       | AG | 5,817,199       | 10/1998 | Brennecke et al. |       |          |                            |
|                       | AH | 5,591,298       | 01/1997 | Goodman et al.   |       |          |                            |
|                       | AI | 4,053,227       | 10/1977 | Bodlaj           |       |          |                            |
|                       | AJ | 4,060,329       | 11/1977 | Ellis            |       |          |                            |
| KS                    | AK | 4,121,470       | 10/1978 | Kaule            | —     | —        |                            |

| FOREIGN PATENT DOCUMENTS |    |                 |         |         |       |          |             |
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|                          |    | DOCUMENT NUMBER | DATE    | COUNTRY | CLASS | SUBCLASS | TRANSLATION |
|                          |    |                 |         |         |       |          | YES         |
| KS                       | AL | 07339494        | 12/1995 | Japan   | —     | —        |             |
|                          | AM |                 |         |         |       |          |             |
|                          | AN |                 |         |         |       |          |             |
|                          | AO |                 |         |         |       |          |             |
|                          | AP |                 |         |         |       |          |             |

| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) |    |  |   |  |  |  |  |
|--|----|--|---|--|--|--|--|
| KS   | AR |  | <i>The Authority On Displacement Measuring</i> , company brochure, Micro-Epsilon,                   |  |  |  |  |
|  |    |  | Raleigh, North Carolina, April 1998.  |  |  |  |  |
| KS   | AS |  | <i>Noncontact Position Measuring Systems</i> , company brochure, Kaman Instrumentation Corporation, |  |  |  |  |
|  |    |  | Colorado Springs, Colorado, August 1990.  |  |  |  |  |
| KS   | AT |  | <i>MTI-2000 Fotonic™ Sensor Instruction Manual</i> , MTI Instruments, Mechanical Technology Inc.,   |  |  |  |  |
|  |    |  | Latham, New York, Revised 3/1991.   |  |  |  |  |

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| EXAMINER  | <i>Riley Rose</i> | DATE CONSIDERED | 7/28/04 |
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| U.S. PATENT DOCUMENTS |    |                 |         |                   |       |          |                            |
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| *EXAMINER INITIAL     |    | DOCUMENT NUMBER | DATE    | NAME              | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| KS                    | AA | 4,129,041       | 12/1978 | Bickel            | —     | —        |                            |
|                       | AB | 4,180,324       | 12/1979 | Primbsch          | —     | —        |                            |
|                       | AC | 4,275,963       | 06/1981 | Primbsch          | —     | —        |                            |
|                       | AD | 4,345,475       | 08/1982 | Bickel            | —     | —        |                            |
|                       | AE | 4,381,676       | 05/1983 | Kaule et al.      | —     | —        |                            |
|                       | AF | 4,388,832       | 06/1983 | Kaule             | —     | —        |                            |
|                       | AG | 4,566,225       | 01/1986 | Bizot et al.      | —     | —        |                            |
|                       | AH | 4,567,769       | 02/1986 | Barkhoudarian     | —     | —        |                            |
|                       | AI | 5,025,665       | 06/1991 | Keyes, IV et al.  | —     | —        |                            |
|                       | AJ | 5,440,914       | 08/1995 | Tachibana et al.  | —     | —        |                            |
| KS                    | AK | 5,587,051       | 12/1996 | Ostermayer et al. | —     | —        |                            |

| FOREIGN PATENT DOCUMENTS |    |                 |      |         |       |          |             |
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|                          |    | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |
|                          |    |                 |      |         |       |          | YES      NO |
|                          | AL |                 |      |         |       |          |             |
|                          | AM |                 |      |         |       |          |             |
|                          | AN |                 |      |         |       |          |             |
|                          | AO |                 |      |         |       |          |             |
|                          | AP |                 |      |         |       |          |             |

| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) |               |  |  |                 |         |  |  |
|--|---------------|--|--|-----------------|---------|--|--|
| KS   | AR            |  | KD-LS-1A Operating Instruction Manual, Mechanical Technology Inc., Instruments Division, |                 |         |  |  |
|  |               |  | Latham, New York.  |                 |         |  |  |
| KS   | AS            |  | Website: mtiinstruments.com  |                 |         |  |  |
|  |               |  |  |                 |         |  |  |
|  | AT            |  |  |                 |         |  |  |
|  |               |  |  |                 |         |  |  |
| EXAMINER   | <i>Khayat</i> |  |  | DATE CONSIDERED | 7/28/04 |  |  |

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| *EXAMINER INITIAL     |    | DOCUMENT NUMBER | DATE    | NAME            | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| KS                    | AA | 5,684,578       | 11/1997 | Nower et al.    | —     | —        |                            |
|                       | AB | 5,684,596       | 11/1997 | Eslinger et al. | 1     | 1        |                            |
|                       | AC | 5,705,810       | 01/1998 | Wang et al.     | 1     | 1        |                            |
|                       | AD | 5,726,366       | 03/1998 | Washio et al.   | 1     | 1        |                            |
| KS                    | AE | 5,591,288       | 01/1997 | Becker et al.   | —     | —        |                            |
|                       | AF |                 |         |                 |       |          |                            |
|                       | AG |                 |         |                 |       |          |                            |
|                       | AH |                 |         |                 |       |          |                            |
|                       | AI |                 |         |                 |       |          |                            |
|                       | AJ |                 |         |                 |       |          |                            |
|                       | AK |                 |         |                 |       |          |                            |

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|                          | AL |                 |      |         |       |          |             |
|                          | AM |                 |      |         |       |          |             |
|                          | AN |                 |      |         |       |          |             |
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|                          | AP |                 |      |         |       |          |             |

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|  | AR |  |  |  |  |  |  |
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| EXAMINER <i>Kathy Stoen</i> | DATE CONSIDERED <i>7/28/04</i> |
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